1. A polyethylene composition comprising a low-molecular-weight (LMW) ethylene homopolymer component and a homogeneous, high-molecular-weight (HMW) ethylene interpolymer component, wherein the LMW component is characterized as having a molecular weight distribution, MWD^L, of less than about 8 and a weight average molecular weight, M_w^L, and wherein the polyethylene composition is characterized as having a bimodal molecular weight distribution, and a ductile-brittle transition temperature, T_{db}, of less than -20°C.

2. The polyethylene composition of claim 1, wherein the LMW component has a density of greater than about 0.965 g/cm^3.

3. The polyethylene composition of claim 1, wherein the LMW component has an I_2 value ranging from about 30 to about 1000 g/10 minutes as determined in accordance with ASTM D-1238 (Condition 2.16 kg/190°C).

4. The polyethylene composition of claim 1, wherein the HMW component has a density ranging from about 0.905 to about 0.955 g/cm^3.

5. The polyethylene composition of claim 1, wherein the HMW component has an $I_{21.6}$ value ranging from about 0.1 to about 1.0 as determined in accordance with ASTM D-1238 (Condition 21.6kg/190°C).

6. The polyethylene composition of claim 1, wherein the HMW component has an $I_{21.6}$ value ranging from about 0.1 to about 0.6 as determined in accordance with ASTM D-1238 (Condition 21.6kg/190°C).

7. The polyethylene composition of claim 1, wherein the HMW component has an $I_{21.6}$ value ranging from greater than 0.6 to about 1.0 as determined in accordance with ASTM D-1238 (Condition 21.6 kg/190°C).

8. The composition of claim 1, wherein the HMW is characterized by a unimodal molecular weight distribution, MWD^H of about 8 or less and a weight average molecular weight M_w^H.

9. The composition of claim 8, wherein M_w^H / M_w^L is about 1.3 or higher.

10. The composition of claim 1, wherein MWD^L is about 5 or less.

11. The composition of claim 1, wherein MWD^L is about 3 or less.

12. The composition of claim 1, wherein MWD^L is about 2.

13. The composition of claim 8, wherein MWD^H is about 5 or less.

14. The composition of claim 8, wherein MWD^H is about 3 or less.

15. The composition of claim 8, wherein MWD^H is about 2.

16. The polyethylene composition of claim 1, wherein the polyethylene composition is characterized as a molecular weight distribution (MWD) as defined by the ratio of M_w/M_n of about 30 or less, and the HMW component is characterized as having a substantially uniform comonomer distribution or a reverse comonomer distribution.

17. The composition of claim 16, wherein the HMW component has a substantially uniform comonomer distribution characterized by a SCBDI of greater than 70 percent.

18. The composition of claim 16, wherein the HMW component has a reverse comonomer distribution characterized as the molar comonomer content of interpolymer fractions having a M_w greater than or equal to 300,000 g/mole being at least 25 percent higher than the molar comonomer content of interpolymer fractions having a Mw of less than or equal to 100,000 g/mole.

19. The composition of claim 1, wherein the T_{db} is less than about -25°C.

20. The composition of claim 1, wherein the T_{db} is less than about -30°C.

21. The composition of claim 1, wherein the T_{db} is less than about -40°C.

22. The composition of claim 1, wherein the T_{db} is less than about -50°C.

23. The composition of claim 1, wherein the molecular weight distribution, M_w/M_n, of the composition is less than or equal to 20, as determined using gel permeation chromatography.

24. The composition of claim 1, wherein the composition is characterized as having an $I_{21.6}/I_5$ ratio of less than or equal to 22.5, as determined in accordance with ASTM D-1238 (Condition 21.6 kg/190°C and Condition 5 kg/190°C).

25. The composition of claim 1, wherein the composition is characterized as having an $I_{21.6}$ ranging from about 3 to less than about 50 g/10 min., as determined in accordance with ASTM D-1238 (Condition 21.6 kg/190°C).

26. The composition of claim 1, wherein the composition is characterized as having an $I_{21.6}$ ranging from about 3 to about 12 g/10 min., as determined in accordance with ASTM D-1238 (Condition 21.6 kg/190°C).

27. The composition of claim 1, wherein the composition is characterized as having an $I_{21.6}$ ranging from about 12 to less than about 50 g/10 min., as determined in accordance with ASTM D-1238 (Condition 21.6 kg/190°C).

28. The composition of claim 1, wherein the composition is characterized as having an I_5 ranging from about 0.1 to about 2 g/10 min., as determined in accordance with ASTM D-1238 (Condition 5 kg/190°C).

29. The composition of claim 1, wherein the composition is characterized as having a density greater than about 0.938 g/cm^3.

30. The composition of claim 1, wherein the composition is characterized as having a M_{v1}/M_{v2} ratio of less than or equal to 0.6, where M_{v1} is the viscosity average molecular weight of the LMW high density component and M_{v2} is the viscosity average molecular weight of the HMW interpolymer component, as determined using ATREF-DV analysis.

31. The composition of claim 1, wherein the composition is manufactured using a multiple reactor slurry polymerization system.

32. The composition of claim 31, wherein the polymerization system comprises two autoclave reactors.

33. The composition of claim 32, wherein the two reactors are configured in series.

34. The composition of claim 33, wherein a supported metallocene catalyst system is used.

35. The composition of claim 34, wherein catalyst is separately injected into each reactor.

36. The composition of claim 34, wherein the catalyst system is injected into the first reactor and no catalyst is injected into the second reactor such that polymerization in the second reactor is accomplished from carry-over catalyst or live polymer or both from the first reactor.

37. The composition of claim 34, wherein the metallocene catalyst is a constrained geometry catalyst.

38. The composition of claim 35, wherein the catalyst is a constrained geometry catalyst system.

39. The composition of claim 34, wherein the same catalyst is separately injected into each reactor.

40. The composition of claim 39, wherein the catalyst is a constrained geometry catalyst system.

41. The composition of claim 34, wherein the catalyst system comprises an activator which has been bonded or fixed to the support prior to the addition of the metallocene catalyst.

42. The composition of claim 41, wherein the activator is a boron-containing compound.

43. The composition of claim 41, wherein the activator is an alumoxane.

44. The composition of claim 1, wherein the HMW component is characterized as having a reverse comonomer distribution.

45. The composition of claim 44, wherein the reverse comonomer distribution is characterized by a comonomer distribution gradient in the range from about 0.0001 to about 0.1.

46. The composition of claim 44, wherein the reverse comonomer distribution is characterized by a comonomer distribution gradient in the range from about 0.0005 to about 0.05.

47. The composition of claim 44, wherein the reverse comonomer distribution is characterized by a comonomer distribution gradient in the range from about 0.001 to about 0.02.

48. The composition of claim 1, wherein the M_w/M_n of the composition is about 25 or less.

49. The composition of claim 1, wherein the M_w/M_n of the composition is between about 5 and about 20.

50. An article of manufacture made from the composition claim 1.

51. The article of claim 50, wherein the article is a water pipe.

52. The article of claim 50, wherein the article is a gas pipe.

53. A method of increasing the service life of a pipe comprising using the polyethylene composition claim 1 to form the pipe.

54. A polyethylene composition comprising a low-molecular-weight (LMW) ethylene homopolymer component and a high-molecular-weight (HMW) ethylene interpolymer component, wherein the polyethylene composition is characterized as having a bimodal molecular weight distribution, the molecular weight distribution as defined by the ratio of M_w/M_n is about 30 or less, and the HMW component is characterized as having a reverse comonomer distribution.